## ABSTRACT

In a galvanic element having at least one lithium-intercalating electrode, whose electrochemically active material is applied onto a metallic output conductor, in the form of foil, the metallic output conductor is provided on its surface with electrochemically deposited crystallites of a second or identical metal, which enlarge the contact area and reduce the contact resistance to the active material. The substrate material is chosen from Al, Cu, V, Ti, Cr, Fe, Ni, Co or alloys of these metals, or from a corrosion-resistant stainless steel, and the deposited metal is chosen from Cu, Vi, Ti, Cr, Fe, Ni, Co, Zn, Sn, In, Sb, Bi, Ag or alloys of these metals. The crystallite size of the electrochemically deposited material is between 1 and 25 $\mu$m, preferably between 1 and 10 $\mu$m, and a maximum of 10 crystallite layers, preferably 1 to 3 cyrstallite layers, are deposited on the substrate sheet.